

Title (en)  
Process for the preparation of 4-alkanoylaryl-benzylethers.

Title (de)  
Verfahren zur Herstellung von 4-Alkanoaryl-benzylethern.

Title (fr)  
Procédé de préparation de 4-alkanoylaryl-benzyléthers.

Publication  
**EP 0621264 A3 19950308 (DE)**

Application  
**EP 94105661 A 19940413**

Priority  
DE 4312637 A 19930419

Abstract (en)  
[origin: US5430172A] A process for preparing 4-alkanoylaryl benzyl ethers of the general formula I <IMAGE> I where R is hydrogen, halogen, cyano; alkyl, alkoxy; X is CH<sub>2</sub>, CH-CH<sub>3</sub>, CH-CH<sub>2</sub>-CH<sub>3</sub>, CH-OCH<sub>3</sub> or N-OCH<sub>3</sub>; Y is oxygen, sulfur, direct linkage or nitrogen; m is 0, 1, 2 or 3; R<sub>1</sub> is hydrogen; alkyl, alkenyl, alkynyl or alkoxy; R<sub>2</sub> is cyano, halogen, alkyl, alkoxy or haloalkyl; R<sub>3</sub> is alkyl; haloalkyl; cycloalkyl; or an unsubstituted or substituted mono- to trinuclear aromatic system, comprises reacting an aryl benzyl ether of the general formula II <IMAGE> II where X, Y, R, R<sub>1</sub>, R<sub>2</sub> and m have the abovementioned meanings, with a carbonyl halide or with a carboxylic anhydride or with a carboxylic sulfonic anhydride in the presence of an acid and in the presence or absence of a diluent.  
[origin: US5430172A] A process for preparing 4-alkanoylaryl benzyl ethers of the general formula I <IMAGE> I where R is hydrogen, halogen, cyano; alkyl, alkoxy; X is CH<sub>2</sub>, CH-CH<sub>3</sub>, CH-CH<sub>2</sub>-CH<sub>3</sub>, CH-OCH<sub>3</sub> or N-OCH<sub>3</sub>; Y is oxygen, sulfur, direct linkage or nitrogen; m is 0, 1, 2 or 3; R<sub>1</sub> is hydrogen; alkyl, alkenyl, alkynyl or alkoxy; R<sub>2</sub> is cyano, halogen, alkyl, alkoxy or haloalkyl; R<sub>3</sub> is alkyl; haloalkyl; cycloalkyl; or an unsubstituted or substituted mono- to trinuclear aromatic system, comprises reacting an aryl benzyl ether of the general formula II <IMAGE> II where X, Y, R, R<sub>1</sub>, R<sub>2</sub> and m have the abovementioned meanings, with a carbonyl halide or with a carboxylic anhydride or with a carboxylic sulfonic anhydride in the presence of an acid and in the presence or absence of a diluent.

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IPC 8 full level  
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• [X] EP 0334096 A2 19890927 - BAYER AG [DE]  
• [X] EUGEN MÜLLER: "Methoden der Organischen Chemie (Houben-Weyl) Band VII/2a", 1973, GEORG THIEME VERLAG, STUTTGART

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